

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 3

AMENDED REPORT ☐

APPLICATION FOR PERMIT TO DRILL		1. WELL NAME and NUMBER NBU 1021-28C4BS	
2. TYPE OF WORK DRILL NEW WELL <input checked="" type="checkbox"/> REENTER P&A WELL <input type="checkbox"/> DEEPEN WELL <input type="checkbox"/>		3. FIELD OR WILDCAT NATURAL BUTTES	
4. TYPE OF WELL Gas Well <input type="checkbox"/> Coalbed Methane Well: NO <input type="checkbox"/>		5. UNIT or COMMUNITIZATION AGREEMENT NAME NATURAL BUTTES	
6. NAME OF OPERATOR KERR-MCGEE OIL & GAS ONSHORE, L.P.		7. OPERATOR PHONE 720 929-6515	
8. ADDRESS OF OPERATOR P.O. Box 173779, Denver, CO, 80217		9. OPERATOR E-MAIL julie.jacobson@anadarko.com	
10. MINERAL LEASE NUMBER (FEDERAL, INDIAN, OR STATE) ML 21329	11. MINERAL OWNERSHIP FEDERAL <input type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>		12. SURFACE OWNERSHIP FEDERAL <input type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
13. NAME OF SURFACE OWNER (if box 12 = 'fee')		14. SURFACE OWNER PHONE (if box 12 = 'fee')	
15. ADDRESS OF SURFACE OWNER (if box 12 = 'fee')		16. SURFACE OWNER E-MAIL (if box 12 = 'fee')	
17. INDIAN ALLOTTEE OR TRIBE NAME (if box 12 = 'INDIAN')	18. INTEND TO COMMINGLE PRODUCTION FROM MULTIPLE FORMATIONS YES <input checked="" type="checkbox"/> (Submit Commingling Application) NO <input type="checkbox"/>		19. SLANT VERTICAL <input type="checkbox"/> DIRECTIONAL <input checked="" type="checkbox"/> HORIZONTAL <input type="checkbox"/>

20. LOCATION OF WELL	FOOTAGES	QTR-QTR	SECTION	TOWNSHIP	RANGE	MERIDIAN
LOCATION AT SURFACE	1730 FNL 2213 FWL	SEnw	28	10.0 S	21.0 E	S
Top of Uppermost Producing Zone	831 FNL 2151 FWL	NEw	28	10.0 S	21.0 E	S
At Total Depth	831 FNL 2151 FWL	NEw	28	10.0 S	21.0 E	S

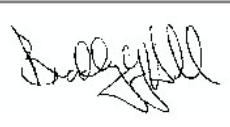
21. COUNTY UINTAH	22. DISTANCE TO NEAREST LEASE LINE (Feet) 831	23. NUMBER OF ACRES IN DRILLING UNIT 640
	25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed) 1682	26. PROPOSED DEPTH MD: 9555 TVD: 9399
27. ELEVATION - GROUND LEVEL 5332	28. BOND NUMBER 22013542	29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE Permit #43-8496

Hole, Casing, and Cement Information										
String	Hole Size	Casing Size	Length	Weight	Grade & Thread	Max Mud Wt.	Cement	Sacks	Yield	Weight
Surf	11	8.625	0 - 2190	28.0	J-55 LT&C	0.2	Type V	180	1.15	15.8
							Class G	270	1.15	15.8
Prod	7.875	4.5	0 - 9555	11.6	I-80 Buttruss	12.5	Premium Lite High Strength	280	3.38	11.0
							50/50 Poz	1110	1.31	14.3

ATTACHMENTS

VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES

<input checked="" type="checkbox"/> WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER	<input checked="" type="checkbox"/> COMPLETE DRILLING PLAN
<input type="checkbox"/> AFFIDAVIT OF STATUS OF SURFACE OWNER AGREEMENT (IF FEE SURFACE)	<input type="checkbox"/> FORM 5. IF OPERATOR IS OTHER THAN THE LEASE OWNER
<input checked="" type="checkbox"/> DIRECTIONAL SURVEY PLAN (IF DIRECTIONALLY OR HORIZONTALLY DRILLED)	<input checked="" type="checkbox"/> TOPOGRAPHICAL MAP

NAME Danielle Piernot	TITLE Regulatory Analyst	PHONE 720 929-6156
SIGNATURE	DATE 03/11/2011	EMAIL danielle.piernot@anadarko.com
API NUMBER ASSIGNED 43047515160000	APPROVAL  Permit Manager	

Found 1977 Brass Cap, pile of stones.

S89°43'43"W - 2658.68' (Meas.)

S89°43'01"W - 2653.94' (Meas.)

Found 1977 Brass Cap, pile of stones.

Found 1977 Brass Cap, pile of stones.

Found 1977 Brass Cap in pile of stones.

N00°52'39"W (Basis of Bearings)

2666.75' (Measured)

1/16 Cor. Not Monumented

2151'

831'

Bottom of Hole

1730'

79.74 (G.L.O.)

S89°45'28"W - 5307.79' (Meas.)

1/16 Cor. Not Monumented

2213'

**WELL LOCATION:
NBU 1021-28C4BS**

ELEV. UNGRADED GROUND = 5332.3'

Well Surface Position

S89°47'34"W - 5302.96' (Meas.)

28

79.68 (G.L.O.)

Found 1977 Brass Cap in pile of stones.

Found 1977 Brass Cap in pile of stones.

1/16 Cor. Not Monumented

N00°57'W - 80.78 (G.L.O.)

N00°52'39"W - 2664.95' (Meas.)

1/16 Cor. Not Monumented

N00°53'25"W - 2664.95' (Meas.)

Found 1977 Brass Cap in pile of stones.

S89°53'55"W - 2646.00' (Meas.)

S89°53'12"W - 2646.99' (Meas.)

Found 1977 Brass Cap, pile of stones.

S89°51"W - 80.20 (G.L.O.)

N00°40'08"W - 2673.15' (Meas.)

N00°44'W - 81.02 (G.L.O.)

N00°40'27"W - 2674.08' (Meas.)

Found 1977 Brass Cap in pile of stones.

Found 1977 Brass Cap in pile of stones.

1/16 Cor. Not Monumented

S89°50'34"W - 5297.98' (Meas.)

79.90 (G.L.O.)

NBU 1021-28C4BS (Surface Position)

NAD 83 LATITUDE = 39.921203° (39° 55' 16.332")

LONGITUDE = 109.558213° (109° 33' 29.568")

NAD 27 LATITUDE = 39.921238° (39° 55' 16.456")

LONGITUDE = 109.557526° (109° 33' 27.094")

NBU 1021-28C4BS (Bottom Hole)

NAD 83 LATITUDE = 39.923668° (39° 55' 25.206")

LONGITUDE = 109.558487° (109° 33' 30.553")

NAD 27 LATITUDE = 39.923703° (39° 55' 25.330")

LONGITUDE = 109.557800° (109° 33' 28.079")

Found 1977 Brass Cap, pile of stones.

DATE SURVEYED: 11-01-10	SURVEYED BY: M.S.B.	SHEET NO: 3 3 OF 16
DATE DRAWN: 11-05-10	DRAWN BY: B.M.	
SCALE: 1" = 1000'	Date Last Revised: 12-14-10 E.M.S.	